



# Search Report

EIC 3600

STIC Database Processing Number: EIC3600

To: Examiner Lena Najarian  
Location: KNX 05 A59  
Art Unit: 3686  
Date: 3/9/2011  
Case Serial Number: 10825729

From: Aaron Gitzen  
Location: EIC3600  
KNX 04 A70  
Phone: (571) 272-3096  
[aaron.gitzen@uspto.gov](mailto:aaron.gitzen@uspto.gov)

## Search Notes

Dear Examiner Najarian :

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog, Proquest and EbscoHost.

References of interest are listed in the first part of the search results. Please scan through the remaining results for other possible references of interest.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

Aaron Gitzen

EIC3600 SEARCH RESULTS

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## **I. References of Interest**

### A. Dialog

26/3,K/4 (Item 4 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0013858129 *Drawing available*  
WPI Acc no: 2004-036482/200404  
XRPX Acc No: N2004-029739

**Integrated clinical information and communications system provided by combined device positioned at side of patient bed**

Patent Assignee: SIEMENS AG (SIEI)

Inventor: WELLER G

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 10236470	A1	20031211	DE 10236470	A	20020808	200404	B

Priority Applications (no., kind, date): DE 10236470 A 20020808

**Integrated clinical information and communications system provided by combined device positioned at side of patient bed Alerting Abstract ...NOVELTY -** The system has all the information and communications devices provided at each **patient bed**, e.g. **patient** monitors, a television receiver and emergency call switches, **integrated** in a **combined device** (2) which is linked to a central point at which all **patient** and **hospital information** is stored. The **combined device** has a **single** image screen (3), a microphone (10), loudspeakers (8) and input keyboard (12), with an authentication...

...ADVANTAGE - Allows all **patient data** to be supplied directly to each patient location...

...DESCRIPTION OF DRAWINGS - The figure shows a schematic representation of an integrated **clinical information** and communications system ... ...2 **Combined device Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **A61G-012/00 Main**

26/3,K/16 (Item 16 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0008753819

WPI Acc no: 1998-296362/199826

Related WPI Acc No: 1996-138670

XRAM Acc no: C1998-092264

XRPX Acc No: N1998-231858

**Portable litter providing emergency medical services to patient in field and on way to hospital - includes or has mounted on it monitor for following patient's vital signs, processor receiving data from monitor and display connected to processor**

Patent Assignee: CARDI ACT LLC (CARD-N)

Inventor: SCHNEIDER C W

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5749374	A	19980512	US 1994306127	A	19940914	199826	B
			US 1995526467	A	19950911		

Priority Applications (no., kind, date): US 1994306127 A 19940914; US 1995526467 A 19950911

**Portable litter providing emergency medical services to patient in field and on way to hospital...**

**Alerting Abstract** ...The **litter** (10) for carrying a **patient** includes or has mounted on it a monitor for following a patient's vital signs. A **processor** receives data from the monitor and display connected to the **processor**. A head portion is adapted to receive and support the chest and head portions of the patients body. A foot portion is likewise adapted to support the **patients** legs and feet. The **litter** also includes a power supply for the monitor, etc. and a device for relaying data from the **processor** to a remote location. The monitor checks pulse, blood oxygen , blood pressure, and heart rate...

**Documentation Abstract** The **litter** (10) for carrying a **patient** includes or has mounted on it a monitor for following a patient's vital signs. A **processor** receives data from the monitor and display connected to the **processor**. A head portion is adapted to receive and support the chest and head portions of the patients body. A foot portion is likewise adapted to support the **patients** legs and feet. The **litter** also includes a power supply for the monitor, etc. and a device for relaying data from the **processor** to a remote location. The monitor checks pulse, blood oxygen , blood pressure, and heart rate...

**Documentation Abstract Image Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date A61G-0001/00... ...A61G-0001/04 A61G-0001/00... Original Publication Data by Authority Argentina **Publication No.** **Original Abstracts:** The present invention is an improved portable litter for the transportation of a **patient** from the field to a **hospital**. The **litter** has **devices for monitoring** and responding to the condition of the patient, including blood pressure, temperature, blood oxygen, heart rate, and mass. At least **one device** for assisting the **patient**'s breathing and for stabilizing the heart are provided with the litter. The litter can... ... provide for ready maneuverability in constricted quarters. Electronic equipment provided with the litter includes an **electronic central processing unit and a visual display** to permit emergency personnel to maintain a close watch on the patient's condition, and for real-time communication with **hospital** personnel. The **litter** has provisions for **connection** with external air and electrical power, and has lights for operation under conditions of reduced... ...**Claims:** facilitate transporting the patient to a primary care medical facility, the apparatus comprising:a portable **patient transport litter** with;**a monitor adapted to** monitor and generate **data** responsive to the **patient**'s **vital** signs, the monitor **being** connected with a

**data** processing unit in the litter;a data processing unit integrally mounted in the litter and...

#### B. Additional Resources Searched

[Insert]

## **II. Inventor Search Results from Dialog**

File 149:TGG Health&Wellness DB(SM) 1976-2011/Feb W4  
(c) 2011 Gale/Cengage  
File 444:New England Journal of Med. 1985-2011/Feb W4  
(c) 2011 Mass. Med. Soc.  
File 20:Dialog Global Reporter 1997-2011/Mar 08  
(c) 2011 Dialog  
File 15:ABI/Inform(R) 1971-2011/Mar 07  
(c) 2011 ProQuest Info&Learning  
File 610:Business Wire 1999-2011/Mar 08  
(c) 2011 Business Wire.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 613:PR Newswire 1999-2011/Mar 08  
(c) 2011 PR Newswire Association Inc  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 634:San Jose Mercury Jun 1985-2011/Mar 07  
(c) 2011 San Jose Mercury News  
File 624:McGraw-Hill Publications 1985-2011/Mar 08  
(c) 2011 McGraw-Hill Co. Inc  
File 9:Business & Industry(R) Jul/1994-2011/Mar 07  
(c) 2011 Gale/Cengage  
File 275:Gale Group Computer DB(TM) 1983-2011/Jan 14  
(c) 2011 Gale/Cengage  
File 621:Gale Group New Prod.Annou.(R) 1985-2011/Jan 05  
(c) 2011 Gale/Cengage  
File 636:Gale Group Newsletter DB(TM) 1987-2011/Mar 07  
(c) 2011 Gale/Cengage  
File 16:Gale Group PROMT(R) 1990-2011/Mar 04  
(c) 2011 Gale/Cengage  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2011/Mar 07  
(c) 2011 Gale/Cengage  
File 471:New York Times Fulltext 1980-2011/Mar 08  
(c) 2011 The New York Times  
File 47:Gale Group Magazine DB(TM) 1959-2011/Feb 01  
(c) 2011 Gale/Cengage

Set	Items	Description
S1	16979	AU=(SMITH, B? OR SMITH B? OR SMITH(2N)B?)
S2	0	S1 AND (PATIENT? ? OR HOSPITAL? ?)(3N)(BED OR BEDS OR DOLLY? ? OR BUNK? ?)(3N)(STRUCTURE OR ASSEMBLY OR STATION OR UNIT)

File 5:Biosis Previews(R) 1926-2011/Feb W4  
(c) 2011 The Thomson Corporation  
File 73:EMBASE 1974-2011/Mar 08  
(c) 2011 Elsevier B.V.  
File 155:MEDLINE(R) 1950-2011/Mar 07  
(c) format only 2011 Dialog  
File 34:SciSearch(R) Cited Ref Sci 1990-2011/Mar W1  
(c) 2011 The Thomson Corp  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 2006 The Thomson Corp  
File 2:INSPEC 1898-2011/Feb W4  
(c) 2011 The IET  
File 35:Dissertation Abs Online 1861-2011/Feb  
(c) 2011 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2011/Mar 08  
(c) 2011 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2011/Feb  
(c) 2011 The HW Wilson Co.  
File 474:New York Times Abs 1969-2011/Mar 08  
(c) 2011 The New York Times  
File 475:Wall Street Journal Abs 1973-2011/Feb 14  
(c) 2011 The New York Times  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 Gale/Cengage  
File 256:TecTrends 1982-2011/Feb W4  
(c) 2011 Info.Sources Inc. All rights res.  
File 23:CSA Technology Research Database 1963-2011/Feb  
(c) 2011 CSA.

Set Items Description  
S1 39563 AU=(SMITH, B? OR SMITH B? OR SMITH(2N)B?)  
S2 0 S1 AND (PATIENT? ? OR HOSPITAL? ?)(3N)(BED OR BEDS OR DOLLY? ? OR  
BUNK?  
?)(3N)(STRUCTURE OR ASSEMBLY OR STATION OR UNIT)

File 348:EUROPEAN PATENTS 1978-201109  
(c) 2011 European Patent Office  
File 349:PCT FULLTEXT 1979-2011/UB=20110303|UT=20110224  
(c) 2011 WIPO/Thomson  
File 324:GERMAN PATENTS FULLTEXT 1967-201109  
(c) 2011 UNIVENTIO/THOMSON

Set Items Description  
S1 2021 AU=(SMITH, B? OR SMITH B? OR SMITH(2N)B?)  
S2 1 S1 AND (PATIENT? ? OR HOSPITAL? ?)(3N)(BED OR BEDS OR DOLLY? ? OR  
BUNK?  
?)(3N)(STRUCTURE OR ASSEMBLY OR STATION OR UNIT)

2/103/1 (Item 1 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
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1173213

**INTEGRATED POINT-OF-CARE SYSTEMS AND METHODS**  
SYSTEMES INTEGRES POUR POINTS DE SERVICE DE SOINS DE SANTE, ET PROCEDES ASSOCIES

**Patent Applicant/Patent Assignee:**

- **MEDICAL INTERACTIVE CORPORATION**  
c/o Packard Children's Hospital, at Stanford, 780 Welch Road # 280, Stanford, CA 94305-5733;  
US; US (Residence); US (Nationality); (For all designated states except: US)

**Patent Applicant/Inventor:**

- **SMITH Baird**  
Medical Interactive Corporation, c/o Packard Children's Hospital at Stanford, 780 Welch Road # 280, Stanford, CA 94305-5733; US; US (Residence); US (Nationality)

	Country	Number	Kind	Date
Patent	WO	200495179	A2-A3	

File 350:Derwent WPIX 1963-2011/UD=201115  
(c) 2011 Thomson Reuters  
File 347:JAPIO Dec 1976-2010/Nov(Updated 110228)  
(c) 2011 JPO & JAPIO  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

Set        Items        Description  
S1        2224        AU=(SMITH, B? OR SMITH B? OR SMITH(2N)B?)  
S2        0        S1 AND (PATIENT? ? OR HOSPITAL? ?)(3N)(BED OR BEDS OR DOLLY? ? OR  
BUNK?  
?) (3N) (STRUCTURE OR ASSEMBLY OR STATION OR UNIT)  
?

### **III. Text Search Results from Dialog**

#### **A. Patent Files, Abstract**

File 350:Derwent WPIX 1963-2011/UD=201115  
(c) 2011 Thomson Reuters  
File 347:JAPIO Dec 1976-2010/Nov(Updated 110228)  
(c) 2011 JPO & JAPIO  
File 371:French Patents 1961-2002/BOPI 200209  
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?ds

Set	Items	Description
S1	12983	(PATIENT? ? OR HOSPITAL? ? OR EMERGENCY OR ER OR ERS) (4N) (BED OR BEDS OR MATTRESS?? OR DOLLY? ? OR STRETCHER? ? OR COT OR COTS OR BUNK? ? OR LITTER? ?)
S2	1943	(SINGLE OR INTEGRAT??? OR ONE OR SINGL?? OR INDIVIDUAL OR MAIN OR CENTRAL?? OR COMBIN??? OR STAND?()ALONE OR SINGULAR?? OR COMBINATION OR SELF()CONTAIN??? OR AUTONOMOUS?? OR INDEPENDENT???) (3N) (STRUCTURE OR ASSEMBLY OR DEVICE OR STATION OR UNIT OR CONSTRUCT????? OR DESIGN OR FRAME OR FRAMEWORK OR PLATFORM OR APPARATUS)
S3	675	(HEALTHCARE OR HEALTH()CARE OR MEDICAL?? OR PATIENT? ? OR HOSPITAL? ? OR CLINICAL) (3N) (RECORD? ? OR DOCUMENT? OR FILE? ? OR PROFILE? ? OR INFO OR INFORMATION? ? OR DATA OR REPORT? ? OR DIAGNOS?)
S4	2302	S1(8N) (MOVE? ? OR MOBILE OR MOVABLE OR MOVING OR TRANSPORT??? OR WHEEL??? OR ROLL OR ROLLS OR ROLLING OR CONVEY? OR TRAVEL????)
S5	206	S3(7N) (DISPLAY? ? OR DISPLAYING OR SHOW? ? OR PROJECT? OR BROADCAST? ? OR DISSEMINATE? OR DISSEMINATING OR FORWARD??? OR TRANSFER?? OR TRANSFERRING OR TRANSMIT??? OR VIEW??? OR SCREEN???)
S6	714	S1(30N) (COMPUTER? OR ELECTRONIC? OR INTERFACE? ? OR MODULE? ? OR TOOL? ? OR MEDIA? ? OR PROCESSOR? ? OR DIGITAL? OR DIGITIZ? OR DIGITIS?)
S7	1103	S1(30N) (DATABASE? ? OR TABLE? ? OR DATATABLE? ? OR DATASET? ? OR KNOWLEDGEBASE? ? OR STORAGE? ? OR STORING OR STORE? ? OR SERVER? ? OR (DATA? OR KNOWLEDG????? OR CENTRAL?? OR INFORMATION??) () (BASE? ? OR BANK? ? OR FILE? ? OR SET? ? OR TABLE? ? OR TERMINAL? ?))
S8	1943	S1 AND S2
S9	144	S8 AND S3
S10	39	S9 AND S4
S11	206	S1 AND S5
S12	39	S11 AND S2
S13	39	S12 AND S3
S14	11	S13 AND S4
S15	714	S1 AND S6
S16	151	S15 AND S2
S17	40	S16 AND S3
S18	10	S17 AND S4
S19	1103	S1 AND S7
S20	194	S19 AND S2
S21	29	S20 AND S3
S22	59	S10 OR S14 OR S18 OR S21
S23	59	IDPAT (sorted in duplicate/non-duplicate order)
S24	58	IDPAT (primary/non-duplicate records only)
S25	53	S24 AND IC=(G06F OR A61G OR G06Q OR A61B)
S26	23	S25 NOT AY>2003

26/3,K/3 (Item 3 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0013863254 *Drawing available*  
WPI Acc no: 2004-041818/200404  
XRPX Acc No: N2004-033814

**Patient sensing and monitoring system for hospital, has controller circuit that senses presence or absence of input signal from sensor and control device to generate output signal for actuating nurse call monitor**

Patent Assignee: BEGGS G R (BEGG-I); TACTILITICS INC (TACT-N)  
Inventor: BEGGS G R

Patent Family ( 4 patents, 101 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030216670	A1	20031120	US 2002147683	A	20020517	200404	B
WO 2003098571	A1	20031127	WO 2003US15788	A	20030519	200404	E
AU 2003251305	A1	20031202	AU 2003251305	A	20030519	200442	E
US 6917293	B2	20050712	US 2002147683	A	20020517	200546	E

Priority Applications (no., kind, date): US 2002147683 A 20020517

**Alerting Abstract** ...criteria. The output signal is used to actuate a nurse call monitor (M) and to **record patient movement information**. ...USE - Used for monitoring presence or absence of **patients** in a bed, chair, and wheelchair in a hospital or a nursing care facility .... for the nurse call monitor. The system contributes less to clutter in and around the **patients bed in the hospital**. .... **DESCRIPTION OF DRAWINGS** - The drawing shows an isometric view of a **patient bed** monitoring apparatus **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **A61B-005/103...** Main **A61B-005/117...A61G-012/00** Original Publication Data by AuthorityArgentinaPublication No. ...**Original Abstracts:**storage media, and at least one input connection capable of providing programmable input to the **storage** media and the processor. Methods are also disclosed **for** sensing and monitoring the presence, absence, and movement of a patient. The inventive concept can be used in various **applications**, such as a **bed**, **mattress**, chair, or wheelchair, to achieve the monitoring of the presence, absence, and movement of a.... the patient support surface (B). The system may also include a processor configured to comprise **instruction** and **data** and to which the signal conditioner is configured to provide signals generated by the sensor.... **Claims:**configuration is conformable to a surface of a patient support apparatus, and wherein the control **unit** comprises **one** or more operation **modes** selected from the group consisting of a hold mode, and a sleep mode.

26/3,K/7 (Item 7 from file: 350)  
 DIALOG(R)File 350: Derwent WPIX  
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0012990367 *Drawing available*

WPI Acc no: 2003-068145/200306

**Patient positioning and transport system has patient positioned via adapter fitted to transportable stretcher received by wheeled trolley**

Patent Assignee: ECHNER G (ECHN-I); PASTYR O (PAST-I); SCHLEGEI W (SCHL-I); STURM V (STUR-I) ; TREUER H (TREU-I); DEUT KREBSFORSCHUNGSZENTRUM (DEKR)

Inventor: ECHNER G; PASTYR O; SCHLEGEI W; SCHLEGEL W; STURM V; TREUER H

Patent Family ( 9 patents, 99 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2002098294	A1	20021212	WO 2002EP5129	A	20020510	200306	B
DE 10127210	A1	20030116	DE 10127210	A	20010605	200313	E
EP 1392169	A1	20040303	EP 2002776504	A	20020510	200417	E
			WO 2002EP5129	A	20020510		
US 20040143905	A1	20040729	WO 2002EP5129	A	20020510	200450	E
			US 2003478595	A	20031124		
AU 2002344348	A1	20021216	AU 2002344348	A	20020510	200452	E
DE 10127210	B4	20040923	DE 10127210	A	20010605	200462	E
US 6928672	B2	20050816	WO 2002EP5129	A	20020510	200554	E
			US 2003478595	A	20031124		
EP 1392169	B1	20060329	EP 2002776504	A	20020510	200623	E
			WO 2002EP5129	A	20020510		
DE 50206252	G	20060518	DE 50206252	A	20020510	200635	E
			EP 2002776504	A	20020510		
			WO 2002EP5129	A	20020510		

Priority Applications (no., kind, date): DE 10127210 A 20010605

**Alerting Abstract** ...a wheeled trolley (2) receiving the stretcher, which is removable at a diagnosis or treatment station. At least one adapter plate (3) is fitted to the stretcher, for preventing movement of the patient position... USE - The patient positioning and transport system is used for movement of a medical patient between different diagnosis and treatment stations... **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date A61B-006/04 Main A61B-0006/04....A61B-0006/04....A61B-0006/04 A61B-0006/04....A61B-0006/04 Original Publication Data by AuthorityArgentinaPublication No. ....Original Abstracts:patient positioning and transport system comprising a transportable stretcher (1) and a cart (2) for transporting the stretcher (1) with the patient. The stretcher (1) can be removed from the cart (2) and can be placed on a diagnosis.... type

should be designed as to prevent, to the greatest possible extent, repositionings of the **patient** between separate **diagnosis** or treatment stations (4). To this end, at least one adapter plate (3) that can.... ... 2) can be joined to another and are configured in such a manner that the **stretcher** (1) with the **patient** can be transferred from the cart (2) to various, differently designed diagnosis or treatment stations.... ... patient positioning and transport system comprising a transportable stretcher (1) and a cart (2) for **transporting** the **stretcher** (1) with the **patient**. The **stretcher** (1) can be removed from the cart (2) to be placed on a diagnosis or.... ... type should be designed as to avoid, to the greatest possible extent, repositionings of the **patient** between separate **diagnosis** or treatment stations (4). Towards this end, at least one adapter plate (3) that can.... ... 2) can be joined to another and are configured in such a manner that the **stretcher** (1) with the **patient** can be transferred from the cart (2) to various, differently designed diagnosis or treatment stations.... ... patient positioning and transport system comprising a transportable stretcher (1) and a cart (2) for **transporting** the **stretcher** (1) with the **patient**. The **stretcher** (1) can be removed from the cart (2) to be placed on a diagnosis or.... ... type should be designed as to avoid, to the greatest possible extent, repositionings of the **patient** between separate **diagnosis** or treatment stations (4). Towards this end, at least one adapter plate (3) that can.... ... 2) can be joined to another and are configured in such a manner that the **stretcher** (1) with the **patient** can be transferred from the cart (2) to various, differently designed diagnosis or treatment stations ... patient positioning and transport system comprising a transportable stretcher (1) and a cart (2) for **transporting** the **stretcher** (1) with the **patient**. The **stretcher** (1) can be removed from the cart (2) and can be placed on a diagnosis.... ... type should be designed as to prevent, to the greatest possible extent, repositionings of the **patient** between separate **diagnosis** or treatment stations (4). To this end, at least one adapter plate (3) that can.... ... 2) can be joined to another and are configured in such a manner that the **stretcher** (1) with the **patient** can be transferred from the cart (2) to various, differently designed diagnosis or treatment stations (4) and back. .... **Claims:** Patient positioning and transport system with a transportable stretcher (1) and a cart (2) for **transporting** the **stretcher** (1) together with the **patient**, wherein the **stretcher** (1) ... the cart (2) can be connected to each other and are designed such that the **stretcher** (1), together with **patient**, can be **moved** from the cart (2) onto different diagnosis or treatment stations (4) of different design, and... ... 1. A system for positioning and transporting a **patient** to a first **diagnosis** or treatment station and to a second diagnosis or treatment station, the system comprising: a transportable **stretcher** for the **patient**; a cart for transporting said **stretcher** with the **patient**; and at least one adapter plate, said at least one adapter plate having first means...

26/3,K/10 (Item 10 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0012362071 *Drawing available*  
WPI Acc no: 2002-304745/200234  
XRPX Acc No: N2002-238447

**Critical care platform for carers has legs connected to platform support surface, and accessory clips with attachments for medical equipment**

Patent Assignee: SMEED E M (SMEE-I); US ARMY INST SURGICAL RES (USSA); US SEC OF ARMY (USSA)

Inventor: SMEED E; SMEED E M

Patent Number	Kind	Date	Patent Fair	Application Number	Kind	Date	Priority	Type
WO 20082436185	B2	20080408	WO 2000234760	US 2000234760	A	20000925	200884	B
US 20020042952	A1	20020418	US 2002284156	US 2002284156	P	20000925	200234	E
			US 2001291963	US 2001291963	P	20010521		
			US 2001961405	US 2001961405	A	20010925		
			US 2001291963	US 2001291963	A	20010925		
AU 200194672	A	20020408	AU 200194672	AU 200194672	A	20010925	200252	E
US 6493890	B2	20021217	US 2000234760	US 2000234760	P	20000925	200307	E
			US 2002282152	US 2002282152	P	20010409		
			US 2001291963	US 2001291963	P	20010521		
			US 2001961405	US 2001961405	A	20010925		
US 20030046764	A1	20030313	US 2000234760	US 2000234760	P	20000925	200321	E
			US 2002279926	US 2002279926	P	2001211		
			US 2001282152	US 2001282152	P	20010409		
			US 2001291963	US 2001291963	P	20010521		
			US 2002279926	US 2002279926	A	20021025		
US 20030115671	A1	20030626	US 2000234760	US 2000234760	P	20000925	200343	E
			US 2002282152	US 2002282152	P	20010409		
			US 2001291963	US 2001291963	P	20010521		
			US 2001961405	US 2001961405	A	20010925		
			US 2002279926	US 2002279926	A	20021025		
			US 2002320638	US 2002320638	A	20021217		
US 6842922	B2	20050118	US 2000234760	US 2000234760	P	20000925	200506	E
			US 2002282152	US 2002282152	P	20010409		
			US 2001291963	US 2001291963	P	20010521		
			US 2001961405	US 2001961405	A	20010925		
			US 2002279926	US 2002279926	A	20021025		

Priority Applications (no., kind, date): US 2000234760 P 20000925; US 2000254156 P 20001211; US 2001282152 P 20010409; US 2001291963 P 20010521; US 2001961405 A 20010925; US 2002279926 A 20021025; US 2002320638 A 20021217

**Alerting Abstract** ...for attaching to a litter. The device attaches to the poles used to carry a **patient** on a **litter** and provides space for the patient's legs to pass under if necessary. Accessory clips...

...ADVANTAGE - The device is low **profile** compared to a **patient** lying on the **litter**, is lightweight and can be rapidly attached and removed, and takes up little room on **storage**. The device has high stability, attached devices will not fall off, and many different medical... **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **A61G-001/04 Main**

...**A61G-0001/04** ...**A61G-0001/00** Original Publication Data by AuthorityArgentinaPublication No.

...**Original Abstracts**:preferably satisfies NATO requirements. Preferably, the invention attaches to the poles used to carry a **patient** on a **litter** such that the invention provides space for the patient's legs to pass under if.... .... The invention preferably includes a platform for attaching to **patient** carrying devices such as **litters**. The platform preferably is capable of attaching to accessory clips connected to medical instruments that.... .... preferably satisfies NATO requirements. Preferably, the invention attaches to the poles used to carry a **patient** on a **litter** such that the invention provides space for the patient's legs to pass under if.... .... The invention preferably includes a platform for attaching to **patient** carrying devices such as **litters**. The platform preferably is capable of attaching to accessory clips connected to medical instruments that.... .... preferably satisfies NATO requirements. Preferably, the invention attaches to the poles used to carry a **patient** on a **litter** such that the invention provides space for the patient's legs to pass under if.... ....**Claims**:each of said at least one tab having an opening passing therethrough, and at least **one** medical **device** interface member connected to said base.... each of said at least one tab having an opening passing therethrough, and at least **one** medical **device** interface member connected to said base, said medical device interface member includes a monitor platform, a disc in comm...

26/3,K/12 (Item 12 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0011184275 Drawing available  
WPI Acc no: 2002-122239/200216  
XRAM Acc no: C2002-037476  
XRXPX Acc No: N2002-091691

**Management equipment for hospital activities, such as laboratory tests, comprises computerized tray cart with a computer, bed unit with display and sensors, and cabinet unit with computer and reader of computer data**

Patent Assignee: BONINI P (BONI-I); DIAGNOSTICA & RICERCA SAN RAFFAELE SPA (DIAG-N); DIAGNOSTICA E RICERCA SAN RAFFAELE SPA (DIAG-N); SANNA A (SANN-I); SCI PARK RAF SPA (SCPA-N)

Inventor: BONINI P; SANNA A

Patent Family ( 11 patents, 94 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001097745	A1	20011227	WO 2001EP6463	A	20010607	200216	B
AU 200183844	A	20020102	AU 200183844	A	20010607	200230	E
EP 1313424	A1	20030528	EP 2001962717	A	20010607	200336	E
			WO 2001EP6463	A	20010607		
IT 1317987	B	20030721	IT 2000MI1373	A	20000619	200358	E
US 20030182019	A1	20030925	WO 2001EP6463	A	20010607	200364	E
			US 2002297618	A	20021216		
JP 2004507287	W	20040311	WO 2001EP6463	A	20010607	200419	E
			JP 2002503223	A	20010607		
US 6769568	B2	20040803	WO 2001EP6463	A	20010607	200451	E
			US 2002297618	A	20021216		
EP 1313424	B1	20050831	EP 2001962717	A	20010607	200561	E
			WO 2001EP6463	A	20010607		
DE 60113129	E	20051006	DE 60113129	A	20010607	200566	E
			EP 2001962717	A	20010607		
			WO 2001EP6463	A	20010607		
ES 2247156	T3	20060301	EP 2001962717	A	20010607	200618	E
DE 60113129	T2	20060614	DE 60113129	A	20010607	200643	E
			EP 2001962717	A	20010607		
			WO 2001EP6463	A	20010607		

Priority Applications (no., kind, date): IT 2000MI1373 A 20000619

**Alerting Abstract** ...A bed unit (1) is associated with the **bed** of each **patient**. A cabinet unit(s) (2) is associated with every ward, and a **computerized** tray cart (3) is movable between the units...  
...comprises a display and sensors/actuators/indicators connected with a computer for the visualization of **data** relative to the **patient**. **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date A61G-012/00 Main G06F-017/60 A61B-0005/00... ...A61B-0005/00... ...A61G-0012/00... ...A61G-0012/00... ...G06F-0019/00... ...G06F-0019/00... ...G06Q-0050/00 A61B-0005/00... ...A61B-0005/00... ...A61G-0012/00... ...A61G-0012/00... ...G06F-0019/00... ...G06F-0019/00... ...G06Q-0050/00 Original Publication Data by Authority Argentina Publication No.  
...**Original Abstracts**:and pharmacological treatment in conditions of certainty against the mistaking of patients is described. The **equipment** comprises a bed unit (1) associated with the bed of each patient, at least one... ... said units (1, 2). The computerised tray cart (3) comprises a computer (10) provided with **display**, a reader (11) of **computer** data connected with **said computer** (10) and approachable **to the bed** of the **patient** for the reading of **computer** data and their **transfer** to **said computer** (10), a plurality of drawers (14-16) with opening controlled by **said computer** (10), and a **printer** (17)

controlled by said **computer** (10). The bed unit (1) comprises a display (18) connected with a computer for the visualisation of **data** relative to the **patient**. The cabinet unit (2) comprises a computer (22), a reader (23) of computer data connected with said computer (23)... ... in conditions of certainty against the mistaking of patients is described. The equipment comprises a **bed** unit (1) associated with the bed of each patient, at least one cabinet unit (2)... ... display, a reader (11) of computer data connected with said computer (10) and approachable to **the** bed of the **patient** for the reading of **computer** data and their **transfer** to said **computer** (10), a plurality of drawers (14-16) with opening **controlled** by said **computer** (10), and a printer (17) controlled by said **computer** (10). The **bed** unit (1) comprises a display (18) connected with a **computer** for the visualisation of **data** relative to the **patient**. The cabinet unit (2) comprises a computer (22), a reader (23) of **computer** data connected with said **computer** (23), containing spaces and drawers (24-27) with opening controlled by said **computer** (22). The **computerised** tray cart (3), the **bed** unit (1) and the cabinet unit (2) are connected to **each** other by a **computer** network. .... An equipment for the management of hospital activities as **medical** tests and pharmacological treatment in conditions of certainty against the mistaking of patients is described. The equipment comprises a bed unit (1) associated with the bed of each **patient**, at least one cabinet unit (2) associated with every ward and a **computerised** tray cart (3) that is movable among said units (1, 2). The **computerised** tray cart (3) comprises a **computer** (10) provided with display, a reader (11) of **computer** data connect with said **computer** (10) and approachable **to** the **bed** of the **patient** for the reading of **computer** data and their transfer **to** said **computer** (10), a plurality of drawers (14-16) with opening controlled by said **computer** (10), and a printer (17) controlled (10). The bed unit (1) comprises a display (18) connected with a **computer** for the visualisation of **data** relative to the **patient**. The cabinet unit (2) comprises a **computer** (22), a reader (23) of **computer** data connected with said **computer** (23), containing spaces and drawers (24-27) with opening controlled by said **computer** (22). The **computerised** tray cart (3), the bed unit (1) and the cabinet unit (2) are connected to each other by a **computer** network. .... An equipment for the management of hospital activities as medical tests and pharmacological treatment in conditions of certainty against the mistaking of... a display (18) connected with a computer for the visualisation of data relative to the **patient**. The cabinet unit (2) **comprises** a computer (22), a reader (23) of **computer** data connected with said **computer** (23), containing **spaces** and drawers (24-27) with opening controlled by said **computer** (22). The **computerised** tray cart (3), the bed **unit** (1) and the cabinet unit (2) are connected **to** each other by a **computer** network. Cette invention concerne un materiel de gestion des activites en milieu hospitalier, notamment **des** tests et des traitements pharmaceutiques, devant eviter que les **patients** n'absorbent pas les doses correctes. Ce materiel comprend un unite de lit (1) par lit, au moins une... **Claims:** including a computer (10) provided with display and mouse control for the processing of computer **data**, a **plurality** of drawers (14-16) with opening controlled by said computer (10) for the housing of.... ... the electrical/data connection on board, **characterised in that** the equipment further comprises:a) a **computer** data support (4) that is suitable to be attached to each patient in a substantially.... ... cart (3) being movable between the bed unit (1) and the cabinet unit (2) and **further** including a reader (11) of computer data connected with said **computer** (10) and approachable to the **bed** of the **patient** for the reading of **computer** data from said support (4) and their transfer to said **computer** (10), a printer (17) controlled **by** said **computer** (10) for the printing of labels with **computer data** corresponding to **the** ones being read by **said** reader (11), which labels are destined to said containers of **biological** samples to be collected or of drug **containers** to be dispensed sensors (13) of physiopathological parameters of the **patient** communicating with said computer (10), and a device for the electrical/data connection on the.... ... an assembly of sensors, actuators and indicators connected with a computer for the visualisation of **data** relating to the **patient**; said cabinet **unit** (2) comprising a **computer** (22), a reader (23) of **computer** data connected with said

**computer** (23), spaces and drawers (24-27)with opening controlled by **said computer** (22); said **computerised tray cart** (3), said **bed** unit (1) and said cabinet unit (2) being **connected** to each other by a **computer** network.... treatment in conditions of certainty against the mistaking of patients, comprising a support (4) for **computer** data (5) that is attached to each patient in a substantially permanent way, a bed unit (1) associated with the **bed** of each **patient**, at least **one cabinet unit** (2) associated with every ward and a **computerised** tray cart (3) that is movable between said units (1, 2), characterised in that:a) said **computerised** tray cart (3) comprises a **computer** (10) provided with display and mouse control for the processing of **computer** data, a reader (11) of **computer** data connected with said **computer** (10) and approachable to the **bed** of the **patient** for the reading of **computer** data and **their** transfer to said **computer** (10), a plurality of drawers (14-16) with opening controlled by said **computer** (10) for the housing of containers of biological samples to be collected and of drug.... ... dispensed, a printer (17) controlled by said computer (10) for the printing of labels with **computer** data corresponding to the ones being read by said reader (11) which are destined to said containers of **biological** samples, and sensors (13) of physiopathological parameters of the **patient** communicating with said **computer** (10), **one or more** batteries for the supply of the active devices, possibly **an** electric motor for the movement of the tray cart, a device for the electrical/data connection on board **and** a device for the electrical/data connection on the ground;b) said bed unit (1) ... a display (18) and sensors/actuators/indicators connected with a computer for the visualisation of **data** relative to the **patient**;c) said cabinet unit (2) comprises a **computer** (22), a reader (23) of **computer** data connected with said **computer** (23), containing spaces and drawers (24-27) with opening controlled by said **computer** (22);d) said **computerised tray cart** (3), said **bed unit** (1) and **said cabinet unit** (2) are connected to each other by a **computer** network.... What is claimed is:1. Equipment for the management of **hospital** activities of medical tests and pharmacological treatment in conditions of certainty **against** the mistaking of patients, comprising a support (4) for **computer** data (5) that is **attached** to each patient in a substantially permanent way, a bed unit (1) associated with the **bed** of each **patient**, at least **one cabinet unit** (2) associated with every ward and a **computerised** tray cart (3) that is movable between said units (1, 2), characterised in that:a) said **computerised** tray cart (3) **comprises a computer** (10) provided with display and mouse control for the processing of **computer** data, a reader (11) of **computer** data connected with said **computer** (10) and approachable to the **bed** of the **patient** for the reading of **computer** data and their transfer to said **computer** (10), a plurality of drawers (14-16) with opening controlled by said **computer** (10) for the housing of containers of biological samples to be collected and of drug.... ... dispensed, a printer (17) controlled by said computer (10) for the printing of labels with **computer** data corresponding to the ones being read by said reader (11) which are destined to said containers of biological samples, and sensors (13) of physiopathological parameters of the **patient communicating** with said **computer** (10), **one or more** batteries for the supply of the active devices, possibly **an** electric motor for the movement of the tray cart, a device for the electrical/data.... ... bed unit (1) comprises a display (18) and sensors/actuators/indicators connected with a computer for the visualisation of data relative to the **patient**;c) said cabinet unit (2) comprises a computer (22), a reader (23) of **computer data connected** with said computer (23), containing spaces and drawers (24-27) with opening controlled by said computer (22);d) said **computerised tray cart** (3), said bed unit (1) and said cabinet unit (2) are connected to each other by a computer network.

26/3,K/15 (Item 15 from file: 350)  
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0009216623 *Drawing available*

WPI Acc no: 1999-142396/199912

Related WPI Acc No: 1996-077780

XRPX Acc No: N1999-103522

**Electronic information system for hospital management**

Patent Assignee: PAXTON DEV INC (PAXT-N)

Inventor: BALLANTYNE D J; MULHALL M

Patent Family ( 1 patents, 1 countries )								
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type	
US 5867821	A	19990202	US 1994241405	A	19940511	199912	B	
			US 1996602468	A	19960216			

Priority Applications (no., kind, date): US 1994241405 A 19940511; US 1996602468 A 19960216

**Electronic information system for hospital management Original Titles:**Method and apparatus for electronically accessing and distributing personal **health care information** and services in **hospitals** and homes. **Alerting Abstract** ...being provided in hospital. A communication I/F unit is electronically coupled to the ML. **Patient's health records** that are accessed and down loaded from the ML, are temporarily stored in a computerized nursing station (6) which is electronically coupled to the ML through an internal **medical information** network. The nursing station operates as a client/server network, in which the client terminals are provided in several interconnected patient care stations (PCS). Each electronic PCS located at each **patient bed** side communicates with the nursing station **server**, for data retrieval and service selection. **DESCRIPTION** - The digitally compressed data to be stored in ML includes, **patient/musical staff health record information , clinical data** including X-ray, MRI and video images, **patient** laboratory **data** to support **medical diagnoses** and investigations, pharmaceutical data bases and entertainment audio/video data. Several other data such as... ...The nursing station server contains a disk and RAM for temporary storage of health **records of patients** interfaced to this station. Each client computer of the PCS has an I/F to... ...**USE** - For distribution and administration of medical services, entertainment services, electronic health records, educational **information** useful in **hospitals**, other types of health care facilities and in homes of patients... ...**OF DRAWINGS** - The figure shows a schematic block diagram of a system for distribution of **medical information** and **patient** services in hospital and various other places... **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0019/00**... ...**G06Q-0010/00 G06F-0019/00**... ...**G06Q-0010/00** Original Publication Data by Authority Argentina **Publication No. ...Original Abstracts:**method and apparatus is used for the distribution and administration of medical services, entertainment services, **electronic medical records**, educational **information**, etc. to a patient's **individual** electronic **patient care station** (PCS) interconnected to a master library (ML) which stores data in digital compressed **format**, through a local **medical information** network. The **patient/musical** personnel interact with this **medical information** network through the **unique** PCS and receives the requested service or data from the master library. The data is... **Claims:**An electronic information

system for distribution of **medical information and patient** services comprising:(a) a **data** source in the form of a Master Library (ML) storing data in digital compressed format.... store unprocessed or digitally compressed data selected from one or more of the following:(i) **patient**/medical staff health record **information**,(ii) **clinical data** including **X-Ray**, MRI and video **images**,(iii) **patient** laboratory **data** to support **medical diagnoses** and investigations,(iv) **educational/training information** in video or **textual** format for the training of **medical** personnel **and patient** requirements,(v) pharmaceutical databases,(vi) entertainment audio/video **data**,(vii) monitored **video** of critical areas including operating rooms and psychiatric wards,(viii) general security video monitoring data.... the ML;(c) a computerized nursing station electronically associated with the ML through the internal **medical information** network for temporary storage of **patients' health records** that have been accessed and downloaded from the ML, said nursing station operating as a **client/server computer** system, wherein the server computer **is part of** the nursing station and the client systems are the interconnected Patient Care Stations (PCS). The.... containing disk and random access memory (RAM) and the server computer to temporarily store health **records** for **patients** interfaced to this station;(d) an electronic PCS comprising client computers located at each patient bedside communicating with the nursing station server system, **said** client **computers** each comprising a **central processing unit** with associated memory and the following items:(i) a monitor screen for display of normal NTSC video, RGB video and other interfaced/non-interlaced digital **video** formats;(ii) interface means to electronically communicate through the communications interconnection system with the ML and with.... within the system;(v) compression and decompression means for data passed to and from the **patient** care station; **and**(vi) application software supplying patient and medical staff services.

26/3,K/17 (Item 17 from file: 350)  
 DIALOG(R)File 350: Derwent WPIX  
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0008156556 *Drawing available*

WPI Acc no: 1997-257820/199723

Related WPI Acc No: 1996-116055; 1997-456401; 1997-164147

XRPX Acc No: N1997-213256

**Medical MRI patient handling system for multiple patient breast scanning - has four beds, with cushion, breast hole and support pad near rigidised or tubular rf antenna, and movable bed structure for transporting patient to imaging region under scan protocol**

Patent Assignee: FONAR CORP (FONA-N)

Inventor: DAMADIAN R V; VOTRUBA J

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5623927	A	19970429	US 1992952327	A	19920928	199723	B
			US 1993131124	A	19931004		
			US 1995456508	A	19950601		

Priority Applications (no., kind, date): US 1992952327 A 19920928; US 1993131124 A 19931004; US 1995456508 A 19950601

**...with cushion, breast hole and support pad near rigidised or tubular rf antenna, and movable bed structure for transporting patient to imaging region under scan protocol Class Codes International Patent Classification IPC Class Level Scope Position Status Version Date A61B-0005/055... A61B-0005/055... Original Publication Data by Authority Argentina Publication No.**  
**...Original Abstracts:** imaging systems typically have a single patient handling system which allows the sequential scanning of **individual** patients. Such **apparatus limit** patient throughput **and** consequently the utility of magnetic resonance imaging systems. The present invention includes apparatus and methods.... **...Claims:** least two patient handling systems, with each of said patient handling systems comprising a moveable **bed** structure having means which provides access **to one** of said apertures of said magnet and with each of said moveable bed structures having... ... antenna system for transmitting radio frequency energy into a patient and detecting magnetic resonance imaging **data** from **said** breast region of each said **patient.**>

26/3,K/19 (Item 19 from file: 350)  
DIALOG(R)File 350: Derwent WPIX  
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0007745842 *Drawing available*  
WPI Acc no: 1996-370077/199637  
XRPX Acc No: N1996-311359

**Bedside control unit for hospital bed - attaches to bed frame with articulated support connected to base and overhead support arm connected to upper end of support arm, allowing movement between positions over bed or extending outward from bed**

Patent Assignee: PARRISH G R (PARR-I); WILLIAMS T N (WILL-I)

Inventor: PARRISH G R; WILLIAMS T N

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5542138	A	19960806	US 1995383997	A	19950206	199637	B

Priority Applications (no., kind, date): US 1995383997 A 19950206

**Original Titles:** Bedside control unit for a **hospital bed**. **Alerting Abstract** ...The bedside control unit has a base which attaches to the frame of a **hospital bed**. An articulated support is connected to the base which includes a vertically extending support member.... ...arm is moveable between a first position in which the support arm extends over the **hospital bed** and a second position in which the support arm extends outward from the bed. The bedside control unit may include data **storage** device for **storing data**, such as **patient information**, and a **display** for **displaying** information stored in the control module... **Class Codes** International Patent Classification IPC Class Level Scope Position Status

Version Date ...**A61G-0007/05** ...**A61G-0007/05** Original Publication Data by

AuthorityArgentina  
**Publication No. Original Abstracts:** A bedside control unit for a **hospital bed** is operable **from a** position within the **bed** and also from a bedside chair. The bedside control unit includes a base which attaches to the frame of a **hospital bed**. An articulated **support** is connected to the base which includes a vertically extending support member pivotally connected to the... ... overhead support arm pivotally connected to an upper end of the support member. The control **module** is suspended from the overhead support arm. The support arm is moveable between a first... ... a preferred embodiment of the invention, the bedside control unit includes data storage means for **storing data**, such as **patient information**, and a **display for displaying information stored** in the control module. **Claims:** What is claimed is:  
A bedside control unit for a **hospital bed** which is operable from positions **both within** and without said **bed**, comprising:

- a) a base member for attaching to a frame of said **hospital bed** and including a rotatable member that comprises **a sleeve** received in a cavity on said base member, said sleeve being rotatable within said cavity;
- b) a control **module** having one or more manually operable controls;
- c) an articulating **arm structure secured** to said rotatable member and connected between the base member and the control module, said... ... articulating arm structure in the sleeve, said quick connect mechanism comprising a latching member on **one** of **said** stem and said sleeve, a mating groove engageable with said latching member in the other... ... arm is movable between a first position in which said support arm extends over said **hospital bed** and a second position in which the support arm extends outwardly from said **bed**.>

26/3,K/21 (Item 21 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0006829321 *Drawing available*

WPI Acc no: 1994-217445/199426

XRPX Acc No: N1994-171800

**Transportable modular patient monitoring appts for e.g ECG, body temp etc - has acquisition module for collecting and processing data received from sensors located on patient and portable monitor to store data**

Patent Assignee: SIEMENS MEDICAL ELECTRONICS INC (SIEI); SIEMENS MEDICAL SYSTEMS INC (SIEI)

Inventor: BISHOP T; HERMANRUD B; KELLY C M; MASCHKE M; SCHOLZ W

Patent Family ( 7 patents, 17 countries )								
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type	
WO 1994013198	A1	19940623	WO 1993US11712	A	19931202	199426	B	
US 5375604	A	19941227	US 1992988989	A	19921211	199506	E	
EP 673223	A1	19950927	WO 1993US11712	A	19931202	199543	E	
			EP 1994904815	A	19931202			
JP 8504345	W	19960514	WO 1993US11712	A	19931202	199646	E	
			JP 1994514252	A	19931202			
EP 673223	B1	19970226	WO 1993US11712	A	19931202	199714	E	
			EP 1994904815	A	19931202			
DE 69308322	E	19970403	DE 69308322	A	19931202	199719	E	
			WO 1993US11712	A	19931202			
			EP 1994904815	A	19931202			
JP 3494648	B2	20040209	WO 1993US11712	A	19931202	200413	E	
			JP 1994514252	A	19931202			

Priority Applications (no., kind, date): US 1992988989 A 19921211

**Alerting Abstract** ...The patient monitoring apparatus comprises a docking **station** and at least **one** data acquisition module e.g for electrocardiogram data. The data acquisition module selectively communicates with... ...The **data** collection device receives **patient data** from the sensors. The conditioned data generating device provides conditioned **data** from the **patient data**. Coupled to the data acquisition module, the portable monitor receives the conditioned data and stores... **Equivalent Alerting Abstract** ...monitor, and independently positionable pods. The pods reduce the number of cables extending between the **patient's bed** and the portable monitor by combining signals from many sensors into a single output signal... ...The modules collect **patient data** in analog form from the sensors and provide digital data signals to the monitor. The portable monitor includes a display device for displaying the **patient data**, and storage for the **patient data**. The portable monitor is coupled to the docking station. The portable monitor receives power from the docking station, and transfers data to the network by way of the docking station. **Patient data** are displayed on either one of the portable monitor or a remote display device attached... ...which includes a communications network and a number of sensors, provides collection and display of **patient data** signals collected from a medical patient using the sensors. **Technology Focus Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date A61B-005/00 Main A61B-005/14 A61B-0005/00... ...A61B-0005/01... ...A61B-0005/022... ...A61B-0005/0404... ...A61B-0005/0432... ...A61B-0005/08... ...A61B-0005/083... ...A61B-0005/145 A61B-0005/00... ...A61B-0005/01... ...A61B-0005/022... ...A61B-0005/0402... ...A61B-0005/0432... ...A61B-0005/08... ...A61B-0005/145 Original Publication Data by AuthorityArgentinaPublication No. ...Original Abstracts:apparatus (100) including a communication network provides collection and display of data signals collected from a **medical patient**. The apparatus comprises a portable monitor (102) coupled to a plurality of data acquisition modules... ...independently positionable pods (150-158). The pods reduce the number of cables extending between the **patient's bed**

and **the portable monitor** by combining signals from many sensors into a single output signal for transmission to the monitor. The portable monitor (102) includes: a display device (104) for displaying **the patient data**, and storage (106) for **the patient data**. The portable **monitor receives** power from a docking station (110) and transfers data to the network by way of... ... a communications network and a plurality of sensors. The apparatus provides collection and display of **patient data** signals collected from a **medical patient** using **the sensors**. The apparatus comprises a portable monitor coupled to a plurality of data acquisition modules, which... ... monitor, and independently positionable pods. The pods reduce the number of cables extending between the **patient's bed** and the portable monitor by combining **signals** from **many** sensors into a single output signal for transmission to the monitor. The modules collect **patient data** in analog form from the sensors and **provide digital data** signals to the monitor. The portable monitor includes: a display device for displaying the **patient data**, and storage for **the patient data**. The **portable monitor** is coupled to the **docking station**. The portable monitor receives power from the docking station, and transfers data to the network by way of the docking **station**. **Patient data** are displayed on either **one of the portable monitor** or a remote display **device** attached to the docking station. The portable monitor is rapidly detached from the docking station... ... A patient monitoring apparatus (100) including a communication network provides collection and display of **data signals** collected from a medical patient. The apparatus comprises a portable monitor (102) coupled to a plurality of **data acquisition** modules, which are in turn coupled to sensors. The data acquisition modules include cartridges (160... ... independently positionable pods (150-158). The pods reduce the number of cables extending between the **patient's bed** and the portable monitor by combining signals from many sensors into a **single output** signal for transmission to the monitor. The portable monitor (102) includes: a **display device** (104) for displaying the **patient data**, and **storage** (106) for **the patient data**. The portable monitor receives power **from a** docking station (110) and transfers **data to** the network by way of the docking station. **Claims:** The patient monitoring apparatus comprises a docking **station** and at least **one** data acquisition module e.g for electrocardiogram data. The data acquisition module selectively communicates with... ... The **data** collection device receives **patient data** from the sensors. The conditioned data generating device provides conditioned **data** from the **patient data**. Coupled to the data acquisition module, the portable monitor receives the conditioned data and stores... ... 1. A continuous patient monitoring apparatus for normally continuously displaying, on a display device (104), **medical data** processed and collected from **a patient** using a plurality of individual patient mounted sensors (410a-410n), **the apparatus** adapted for use in a system where the patient can be transported away from a given fixed-location monitoring area, the **apparatus** comprising: at least **one** data **acquisition** module (150, 152, **154**, 155, 160, 162, 164) selectively communicating with the plurality of sensors, the data acquisition module including means (16, 17, 411a-411n) for collecting **patient data** from the sensors, and **means** (**418a**-418n) for generating conditioned **data** from the **patient data**; and, **a patient monitor for storing** and displaying **said** conditioned **data**, **CHARACTERIZED IN THAT:** said **patient monitor** is a self-powered, freely transportable portable monitor including a data storage means (106) and... ... A continuous patient monitoring apparatus for normally continuously displaying, on a display **device**, **medical data** processed and collected from a **patient** using a **plurality of** sensors, the apparatus adapted for use in a system which includes a **plurality of individual** patient mounted sensors, the apparatus comprising: a docking **station**; **at least one** **data** **acquisition module** which is remote **from** and selectively **communicating** with the plurality of individual **patient** mounted sensors, the **data** **acquisition module** including: means for **collecting** **patient data** from **the** sensors, and means for generating conditioned **data from the patient data**; and a portable monitor, detachably **coupled** to the **data acquisition** module, which substantially

continuously...

## B. Patent Files, Full-Text

File 348:EUROPEAN PATENTS 1978-201109  
(c) 2011 European Patent Office  
File 349:PCT FULLTEXT 1979-2011/UB=20110303|UT=20110224  
(c) 2011 WIPO/Thomson  
File 324:GERMAN PATENTS FULLTEXT 1967-201109  
(c) 2011 UNIVENTIO/THOMSON

?ds

Set	Items	Description
S1	31905	(PATIENT? ? OR HOSPITAL? ? OR EMERGENCY OR NURSING) (4N) (BED OR BEDS OR DOLLY? ? OR STRETCHER? ? OR COT OR COTS OR BUNK? ? OR LITTER? ? OR CART? ? OR PLATFORM? ? OR STATION? ? OR TABLE? ?)
S2	17315	(SINGLE OR INTEGRAT??? OR ONE OR SINGL?? OR INDIVIDUAL OR MAIN OR CENTRAL?? OR COMBIN??? OR STAND?() ALONE OR SINGULAR?? OR COMBINATION OR SELF()CONTAIN??? OR AUTONOMOUS?? OR INDEPENDENT???) (3N) (STRUCTURE OR ASSEMBLY OR DEVICE OR STATION OR UNIT OR CONSTRUCT????? OR DESIGN OR FRAME OR FRAMEWORK OR PLATFORM OR APPARATUS)
S3	7459	(HEALTHCARE OR HEALTH()CARE OR MEDICAL?? OR PATIENT? ? OR HOSPITAL? ? OR CLINICAL) (3N) (RECORD? ? OR DOCUMENT? OR FILE? ? OR PROFILE? ? OR INFO OR INFORMATION? ? OR DATA OR REPORT? ? OR DIAGNOS?)
S4	2692	S1(8N) (MOVE? ? OR MOBILE OR MOVABLE OR MOVING OR TRANSPORT??? OR WHEEL??? OR ROLL OR ROLLS OR ROLLING OR CONVEY? OR TRAVEL????)
S5	2587	S3(7N) (DISPLAY? ? OR DISPLAYING OR SHOW? ? OR PROJECT? OR BROADCAST? ? OR DISSEMINATE? OR DISSEMINATING OR FORWARD??? OR TRANSFER?? OR TRANSFERRING OR TRANSMIT??? OR VIEW??? OR SCREEN???)
S6	2943	S1(30N) (COMPUTER? OR ELECTRONIC? OR INTERFACE? ? OR MODULE? ? OR TOOL? ? OR MEDIA? ? OR PROCESSOR? ? OR DIGITAL? OR DIGITIZ? OR DIGITIS?)
S7	9818	S1(30N) (DATABASE? ? OR TABLE? ? OR DATATABLE? ? OR DATASET? ? OR KNOWLEDGEBASE? ? OR STORAGE? ? OR STORING OR STORE? ? OR SERVER? ? OR (DATA? OR KNOWLEDG???? OR CENTRAL?? OR INFORMATION??) () (BASE? ? OR BANK? ? OR FILE? ? OR SET? ? OR TABLE? ? OR TERMINAL? ?))
S8	895	S1(3N)S2
S9	1676	S1(20N)S2
S10	178	S9(3N)S3
S11	210	S9(10N)S3
S12	221	S9(15N)S3
S13	10	S12(3N)S4
S14	10	S12(20N)S4
S15	11	S12(S)S4
S16	504	S1(20N)S5
S17	69	S16(3N)S2
S18	83	S16(20N)S2
S19	83	S18(3N)S3
S20	3	S19(3N)S4

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S21      3    S19 (20N) S4
S22    2943    S1 (20N) S6
S23      357    S22 (3N) S2
S24      448    S22 (20N) S2
S25      126    S24 (3N) S3
S26      158    S24 (20N) S3
S27      12    S26 (3N) S4
S28    9818    S1 (20N) S7
S29    1357    S28 (3N) S2
S30    1506    S28 (20N) S2
S31      580    S30 (3N) S3
S32      596    S30 (20N) S3
S33      78     S32 (3N) S4
S34      78     S32 (20N) S4
S35      19     S34 (3N) S5
S36      38     S13 OR S14 OR S15 OR S20 OR S21 OR S27 OR S35
S37      38     IDPAT (sorted in duplicate/non-duplicate order)
S38      38     IDPAT (primary/non-duplicate records only)
S39      27     S38 AND IC=(G06F OR A61G OR G06Q OR A61B)
S40      16     S39 NOT AY>2003

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DIALOG(R)File 348: EUROPEAN PATENTS  
(c) 2011 European Patent Office. All rights reserved.  
40/3K/4 (Item 4 from file: 348)  
00869256

### **Network connectivity for a portable patient monitor**

Netzverbindungs möglichkeit eines tragbaren Patientenüberwachungssystems  
Connectabilité de réseaux d'un système de surveillance portative pour patient

#### **Patent Assignee:**

- **Siemens Medical Solutions USA, Inc.** (4018030)  
186 Wood Avenue South; Iselin, NJ 08830 (US)  
(Proprietor designated states: all)

#### **Inventor:**

- **Fuchs, Kenneth**  
126 Woodridge Road; Wayland, MA. 01778; (US)

#### **Legal Representative:**

- **Berg, Peter, Dipl.-Ing. (89732)**  
European Patent Attorney, Siemens AG, Postfach 22 16 34; 80506 München; (DE)

	Country	Number	Kind	Date
Patent	EP	796590	A1	19970924 (Basic)

	Country	Number	Kind	Date
Patent	EP	796590	B1	20030618
Application	EP	97102815		19970220
Priorities	US	618157		19960319

**Specification:** ...a patient monitor is attached directly to a communications network at a node by the **patient's bed**, and is then detached, for example when the patient is to be **moved** to another location, any monitor, **central station** or workstation monitoring the **patient** at that **bed** will detect the sudden loss of **patient data** as an error condition and create a false alarm.

It is desirable to have a...

**Specification:** ...a patient monitor is attached directly to a communications network at a node by the **patient's bed**, and is then detached, for example when the patient is to be **moved** to another location, any monitor, **central station** or workstation monitoring the **patient** at that **bed** will detect the sudden loss of **patient data** as an error condition and create a false alarm.

It is desirable to have a...

40/3K/9 (Item 3 from file: 349)  
 DIALOG(R)File 349: PCT FULLTEXT  
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00856209

## PATIENT MONITORING SYSTEM SYSTEME DE SURVEILLANCE DES PATIENTS

### Patent Applicant/Patent Assignee:

- **WELCH ALLYN PROTOCOL INC**  
 8500 S.W. Creekside Place, Beaverton, OR 97008-7107; US; US(Residence); US(Nationality)

### Inventor(s):

- **WEST Kenneth G**  
 7328 S.W. 184th Place, Aloha, OR 97007; US
- **MOON James B**  
 4131 N.W. Thunder Crest Drive, Portland, OR 97229-8028; US

- **COLQUITT Nhediti L**  
7333 S.W. 184th Place, Aloha, OR 97007; US
- **WEINER Herbert S**  
4647 S.E. 33rd Avenue, Portland, OR 97202; US
- **PETERSEN Eric G**  
19650 S.W. Madeline Street, Aloha, OR 97007; US
- **HOWELL William H**  
2525 N.E. 23rd Avenue, Portland, OR 97212; US

### Legal Representative:

- **WALL Thomas J (agent)**  
Wall Marjama & Bilinski, Suite 400, 101 South Salina Street, Syracuse, NY 13202; US

	Country	Number	Kind	Date
Patent	WO	200189362	A2-A3	20011129
Application	WO	2001US16042		20010518
Priorities	US	2000205412		20000519

### Detailed Description:

...any one or more of a variety of different forms. In the exemplary embodiment, each **central** station takes the form of a computer workstation configured to communicate via physical data transport...  
 ...stations 24 may be any suitable type of central station such as the ACUITY0 central **station** available from WeIch Allyn Protocol, Inc. of Beaverton, Oregon. The ACUITY0 **central station** is a version of the invention claimed in U.S. Patent No.

5,319,313 to WeIch et al.

One example of a **central station** in accordance with the present invention. is shown in Fig. 3. Exemplary **central station** 24 includes a processing module 34 having at least one processor (not shown) and at least **one** data storage **unit** (not shown). The processor is adapted to execute software stored in the data storage unit to communicate with patient monitors, analyze patient data, etc. **Central station** 24 also includes a plurality of display devices such as display monitors 36. Alternatively, **central station** 24 may include a single display monitor. In any event, display

1 1

monitors 36.... 34 and adapted to display vital signs data collected from. a plurality of patients. Typically, **central station** 24 also includes **one** or more input devices 38 (e.g. keyboard, cursor control, mouse, remote control, touch-screen...

## **IV. Text Search Results from Dialog**

### **A. NPL Files, Abstract**

File 5:Biosis Previews(R) 1926-2011/Feb W4  
(c) 2011 The Thomson Corporation  
File 73:EMBASE 1974-2011/Mar 08  
(c) 2011 Elsevier B.V.  
File 155:MEDLINE(R) 1950-2011/Mar 07  
(c) format only 2011 Dialog  
File 34:SciSearch(R) Cited Ref Sci 1990-2011/Mar W1  
(c) 2011 The Thomson Corp  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 2006 The Thomson Corp  
File 2:INSPEC 1898-2011/Feb W4  
(c) 2011 The IET  
File 35:Dissertation Abs Online 1861-2011/Feb  
(c) 2011 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2011/Mar 08  
(c) 2011 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2011/Feb  
(c) 2011 The HW Wilson Co.  
File 474:New York Times Abs 1969-2011/Mar 08  
(c) 2011 The New York Times  
File 475:Wall Street Journal Abs 1973-2011/Feb 14  
(c) 2011 The New York Times  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 Gale/Cengage  
File 256:TecTrends 1982-2011/Feb W4  
(c) 2011 Info.Sources Inc. All rights res.  
File 23:CSA Technology Research Database 1963-2011/Feb  
(c) 2011 CSA.

? ds

Set Items Description  
S1 109045 (PATIENT? ? OR HOSPITAL? ? OR EMERGENCY OR NURSING) (4N) (BED OR BEDS OR DOLLY? ? OR STRETCHER? ? OR COT OR COTS OR BUNK? ? OR LITTER? ? OR CART? ? OR PLATFORM? ? OR STATION? ? OR TABLE? ?)  
  
S2 1972 (SINGLE OR INTEGRAT??? OR ONE OR SINGL?? OR INDIVIDUAL OR MAIN OR CENTRAL?? OR COMBIN??? OR STAND()ALONE OR SINGULAR?? OR COMBINATION OR SELF()CONTAIN??? OR AUTONOMOUS?? OR INDEPENDENT???) (3N) (STRUCTURE OR ASSEMBLY OR DEVICE OR STATION OR UNIT OR CONSTRUCT????? OR DESIGN OR FRAME OR FRAMEWORK OR PLATFORM OR APPARATUS)  
  
S3 527 (HEALTHCARE OR HEALTH()CARE OR MEDICAL?? OR PATIENT? ? OR HOSPITAL? ? OR CLINICAL) (3N) (RECORD? ? OR DOCUMENT? OR FILE? ? OR PROFILE? ? OR INFO OR INFORMATION? ? OR DATA OR REPORT? ? OR DIAGNOS?)  
  
S4 115 S1(8N) (MOVE? ? OR MOBILE OR MOVABLE OR MOVING OR TRANSPORT??? OR WHEEL??? OR ROLL OR ROLLS OR ROLLING OR CONVEY? OR TRAVEL????)  
  
S5 47 S3(7N) (DISPLAY? ? OR DISPLAYING OR SHOW? ? OR PROJECT? OR BROADCAST? ? OR DISSEMINATE? OR DISSEMINATING OR FORWARD??? OR TRANSFER?? OR TRANSFERRING OR TRANSMIT??? OR VIEW??? OR SCREEN???)

S6 248 S1(30N) (COMPUTER? OR ELECTRONIC? OR INTERFACE? ? OR MODULE? ? OR TOOL? ?  
 OR MEDIA? ? OR PROCESSOR? ? OR DIGITAL? OR DIGITIZ? OR DIGITIS?)  
  
 S7 292 S1(30N) (DATABASE? ? OR TABLE? ? OR DATATABLE? ? OR DATASET? ? OR  
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 KNOWLEDG???? OR CENTRAL?? OR INFORMATION??) () (BASE? ? OR BANK? ? OR FILE? ? OR SET? ? OR  
 TABLE? ? OR TERMINAL? ?))  
  
 S8 1972 S1 AND S2  
 S9 527 S8 AND S3  
 S10 20 S9 AND S4  
 S11 47 S1 AND S5  
 S12 47 S11 AND S2  
 S13 47 S12 AND S3  
 S14 0 S13 AND S4  
 S15 9 S13 AND S6  
 S16 8 S13 AND S7  
 S17 248 S1 AND S6  
 S18 248 S17 AND S2  
 S19 94 S18 AND S3  
 S20 6 S19 AND S4  
 S21 292 S1 AND S7  
 S22 292 S21 AND S2  
 S23 120 S22 AND S3  
 S24 7 S23 AND S4  
 S25 36 S10 OR S15 OR S16 OR S20 OR S24  
 S26 30 RD (unique items)  
 S27 17 S26 NOT PY>2003

**Dialog eLink:**

27/3,K/6 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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08502058

**Title:** Integration of communication means for home care in chronic disease management

**Author(s):** Maglaveras, N.<sup>1</sup>; Gogou, G.<sup>1</sup>; Chouvarda, I.<sup>1</sup>; Koutkias, V.<sup>1</sup>; Meletiadis, S.<sup>1</sup>; Lekka, I.<sup>1</sup>

**Affiliation(s):**

<sup>1</sup> Lab. of Med. Informatics, Aristotle Univ. of Thessaloniki, Greece

**Book Title:** 2001 Conference Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (Cat. No.01CH37272)

**Inclusive Page Numbers:** 3548-51 vol.4

**Publisher:** IEEE, Piscataway, NJ

**Country of Publication:** USA

**Publication Date:** 2001

**Conference Title:** 2001 Conference Proceedings of the 23rd Annual International Conference of the

IEEE Engineering n Medicine and Biology Society

**Conference Date:** 25-28 Oct. 2001

**Conference Location:** Istanbul, Turkey

**ISBN:** 0-7803-7211-5

**U.S. Copyright Clearance Center Code:** 0-7803-7211-5/01/\$17.00

**Item Identifier (DOI):** [10.1109/IEMBS.2001.1019598](https://doi.org/10.1109/IEMBS.2001.1019598)

**Part:** vol.4

**Number of Pages:** 4 vol. 4132

**Language:** English

**Subfile(s):** B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

**INSPEC Update Issue:** 2003-002

**Copyright:** 2003, IEE

**Abstract:** ...treatment. The main platforms used for the development of such applications are the Internet and **computers**, and the telecommunication networks, including **mobile** solutions. In this paper, an **integrated platform** is proposed, offering the **patient** multiple means of communication with the contact center, along with personalization of the services provided. The interactive exchange of messages and data is implemented through multiple communication **interfaces** such as mobile WAP phone, Internet and automated call center technology.

**Descriptors:** call centres; diseases; **health care**; **information technology**; Internet; mobile radio; telemedicine

**Identifiers:** ...care delivery; quality of life; costs; wellbeing; contact centers; mediators; medical staff; advice; treatment; Internet; **computers**; telecommunication networks; **integrated platform**; **patient**; personalization; services; interactive message exchange; multiple communication **interfaces**; **mobile** WAP phone; automated call center technology

Dialog eLink: <https://inspec.ietsltd.com/abstracts/>

27/3,K/7 (Item 2 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2011 The IET. All rights reserved.

07869664

**Title:** Implementation of a dynamic platform-independent DICOM-server

**Author(s):** Bernarding, J.<sup>1</sup>; Thiel, A.; Decker, I.; Tolxdorff, T.

**Affiliation(s):**

<sup>1</sup> Dept. of Med. Inf., Freie Univ. Berlin, Germany

**Journal:** Computer Methods and Programs in Biomedicine , vol.65 , no.1 , pp.71-8

**Publisher:** Elsevier

**Country of Publication:** Ireland

**Publication Date:** April 2001

ISSN: 0169-2607

**ISSN Type:** print

SICI: 0169-2607(200104)65:1L;71:IDPI;1-I

**CODEN:** CMPBEK

Document Number: S0169-2607(00)00103-6

**U.S. Copyright Clearance Center Code:** 0169-2607/2001/\$20.00

**Language:** English

**Subfile(s):** B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

INSPEC Update Issue: 2001-011

Copyright: 2001, IEE

Title: Implementation of a dynamic platform-independent DICOM-server

**Abstract:** Hospital-wide image and **patient data transfer** within heterogeneous hardware and software infrastructures can be facilitated by using standardized communication protocols and... ins'.

The framework was designed and implemented in Java in order to provide low-cost **platform-independent** solutions. As an example, a DICOM server was implemented and tested in a clinical application.... Java/DICOM viewer. Data retrieval was optimized by storing parts of the image acquisition and **patient data** in a relational database.

**Identifiers:** dynamic platform-independent DICOM server; hospital-wide image transfer; hospital-wide patient data transfer; heterogeneous hardware infrastructures; heterogeneous software infrastructures; standardized communication protocols; standardized data formats; DICOM application entities...

Dialog eLink:

27/3.K/11 (Item 2 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

(c) 2011 CSA. All rights reserved.

0010770848 IP Accession No: 200811-71-2239236; 200811-61-2342394; 20082179283; A08-99-2282586

**PORTABLE MEDICAL TABLE INCLUDING SLIDABLY MOUNTED ANESTHESIA  
APPARATUS**

Mosher, William F  
USA

**Publisher Url:** <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netacgi/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PALL&S1=38 38687.PN.&OS=pn/3838687&>

RS=PN/3838687

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

A **wheeled table** for patients having a top that slopes to a drain opening and provided with an electrical heating element for warming the patient. A **self-contained** anesthesia **apparatus** is slidably suspended below the **table** top and may be pulled out readily for adjustment of dials, or servicing or replacement ...

**Descriptors:** Tables (data); Patients; Anesthesia; Drains; Dials; Slopes; United States; Portability; Medical; Heating elements

**Identifiers:**

Dialog eLink: [US20110137554A1 - Mobile nursing unit and system therefor](#)

27/3,K/16 (Item 7 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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0009553554 IP Accession No: 200807-71-0932206; 200807-61-1032716; 20080898282; A08-99-1002330

**Mobile nursing unit and system therefor**

Curtis, Grace E; Livezey, Cynthia S; McDonnell, Gary D; Grady, Mark L; Minor, Richard J , USA

**Publisher Url:** <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/net/ahl/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=55 36084.PN.&OS=pn/5536084&RS=PN/5536084>

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

A **mobile nursing** unit comprises a **cart** which stores and **transports** medications and medical supplies and a **computer** system mounted on the cart for transmitting and receiving data as a nurse performs **patient** rounds. The **cart** includes a medication storage compartment which may be locked for **storing** medications. The **computer** system comprises a **central processing unit** and a transmitter and receiver **device** responsive to the **central processing unit** for transmitting and receiving data in real-time during rounds. Preferably, the transmitter and receiver device transmits and receives data through spread spectrum radio frequency signals. A system for providing **patient** care and for **documenting patient** care is also provided which includes a remote computer and a plurality of mobile nursing...

**Descriptors:** Patients; Nurses; Carts; Transmission; Receivers; Central processing units; Transmitters; Prints; Hospitals; Printers; Compartments; Transport; Real time; Radio frequencies; Dispensing;

**Storage**

**Identifiers:**

Dialog eLink: [USPTO Full Text Search Online](#)

27/3/K/17 (Item 8 from file: 23)

DIALOG(R)File 23: CSA Technology Research Database

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0008894099 IP Accession No: 200804-71-358780; 200804-61-382672; 2008344714; A08-99-370894

**Method and system for monitoring the heart of a patient**

Langer, Alois A; Maalouf, Khalil J  
, USA

**Publisher Url:** <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahmt/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=59 66692.PN.&OS=pn/5966692&RS=PN/5966692>

**Document Type:** Patent

**Record Type:** Abstract

**Language:** English

**File Segment:** Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

**Abstract:**

...device and a transmitter for transmitting the electrocardiogram. The system also is comprised of a **central station** in continuous communication with the transmitter for receiving the transmitted electrocardiogram when a predetermined cardiological event occurs. There is also a **database** in communication with the central **station** for storing **patient** data and providing **patient** data to the central

**station.** Additionally, there is a display device in communication with the central **station** and the **database** for **displaying the patient data** and the **transmitted** electrocardiogram. A method of monitoring the heart of a patient. The method includes the first step of taking an electrocardiogram of a **patient** at a remote **station**. Then, there is the step of automatically detecting predetermined cardiological events in the electrocardiogram. Next, there is the step of transmitting the electrocardiogram to a **central station** along with identification of the patient if a predetermined cardiological event occurs and immediately after it occurs. Then, there is the step of retrieving **data** about the **patient** from a database in communication with the **central station**. Next, there is the step of transmitting the **patient's data** to the **central station**.

## B. NPL Files, Full-text

File 149:TGG Health&Wellness DB(SM) 1976-2011/Feb W4  
(c) 2011 Gale/Cengage

File 444:New England Journal of Med. 1985-2011/Feb W4  
(c) 2011 Mass. Med. Soc.

File 20:Dialog Global Reporter 1997-2011/Mar 09  
(c) 2011 Dialog

File 15:ABI/Inform(R) 1971-2011/Mar 08  
(c) 2011 ProQuest Info&Learning

File 610:Business Wire 1999-2011/Mar 09  
(c) 2011 Business Wire.

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 613:PR Newswire 1999-2011/Mar 09  
(c) 2011 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2011/Mar 07  
(c) 2011 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2011/Mar 08  
(c) 2011 McGraw-Hill Co. Inc

File 9:Business & Industry(R) Jul/1994-2011/Mar 08  
(c) 2011 Gale/Cengage

File 275:Gale Group Computer DB(TM) 1983-2011/Jan 17  
(c) 2011 Gale/Cengage

File 621:Gale Group New Prod.Annou.(R) 1985-2011/Jan 06  
(c) 2011 Gale/Cengage

File 636:Gale Group Newsletter DB(TM) 1987-2011/Mar 07  
(c) 2011 Gale/Cengage

File 16:Gale Group PROMT(R) 1990-2011/Mar 07  
(c) 2011 Gale/Cengage

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2011/Mar 09

(c) 2011 Gale/Cengage  
File 471:New York Times Fulltext 1980-2011/Mar 08  
(c) 2011 The New York Times  
File 47:Gale Group Magazine DB(TM) 1959-2011/Feb 02  
(c) 2011 Gale/Cengage

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Set	Items	Description
S1	380419	(PATIENT? ? OR HOSPITAL? ? OR EMERGENCY OR NURSING) (4N) (BED OR BEDS OR DOLLY? ? OR STRETCHER? ? OR COT OR COTS OR BUNK? ? OR LITTER? ? OR CART? ? OR PLATFORM? ? OR STATION? ? OR TABLE? ?)
S2	22905	(SINGLE OR INTEGRAT??? OR ONE OR SINGL?? OR INDIVIDUAL OR MAIN OR CENTRAL?? OR COMBIN??? OR STAND?()ALONE OR SINGULAR?? OR COMBINATION OR SELF()CONTAIN???. OR AUTONOMOUS?? OR INDEPENDENT???) (3N) (STRUCTURE OR ASSEMBLY OR DEVICE OR STATION OR UNIT OR CONSTRUCT????? OR DESIGN OR FRAME OR FRAMEWORK OR PLATFORM OR APPARATUS)
S3	2554561	(HEALTHCARE OR HEALTH()CARE OR MEDICAL?? OR PATIENT? ? OR HOSPITAL? ? OR CLINICAL) (3N) (RECORD? ? OR DOCUMENT? OR FILE? ? OR PROFILE? ? OR INFO OR INFORMATION? ? OR DATA OR REPORT? ? OR DIAGNOS?)
S4	11474	S1(8N) (MOVE? ? OR MOBILE OR MOVABLE OR MOVING OR TRANSPORT??? OR WHEEL???. OR ROLL OR ROLLS OR ROLLING OR CONVEY? OR TRAVEL????)
S5	131355	S3(7N) (DISPLAY? ? OR DISPLAYING OR SHOW? ? OR PROJECT? OR BROADCAST? ? OR DISSEMINATE? OR DISSEMINATING OR FORWARD??? OR TRANSFER?? OR TRANSFERRING OR TRANSMIT???. OR VIEW??? OR SCREEN???)
S6	21235	S1(30N) (COMPUTER? OR ELECTRONIC? OR INTERFACE? ? OR MODULE? ? OR TOOL? ? OR MEDIA? ? OR PROCESSOR? ? OR DIGITAL? OR DIGITIZ? OR DIGITIS?)
S7	62596	S1(30N) (DATABASE? ? OR TABLE? ? OR DATATABLE? ? OR DATASET? ? OR KNOWLEDGEBASE? ? OR STORAGE? ? OR STORING OR STORE? ? OR SERVER? ? OR (DATA? OR KNOWLEDG????? OR CENTRAL?? OR INFORMATION??) () (BASE? ? OR BANK? ? OR FILE? ? OR SET? ? OR TABLE? ? OR TERMINAL? ?))
S8	3152	S1(3N)S2
S9	4399	S1(20N)S2
S10	540	S9(3N)S3
S11	788	S9(20N)S3
S12	32	S11(3N)S4
S13	33	S11(20N)S4
S14	6	S13(3N)S5
S15	21235	S1(20N)S6

S16	660	S15(3N)S2
S17	794	S15(20N)S2
S18	212	S17(3N)S3
S19	284	S17(20N)S3
S20	10	S19(3N)S4
S21	62596	S1(20N)S7
S22	490	S21(3N)S2
S23	600	S21(20N)S2
S24	249	S23(3N)S3
S25	282	S23(20N)S3
S26	4	S25(3N)S4
S27	4	S25(20N)S4
S28	20	S14 OR S20 OR S26 OR S27
S29	11	RD (unique items)
S30	3	S29 NOT PY>2003

30/3,K/1 (Item 1 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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**13665944 (USE FORMAT 7 OR 9 FOR FULLTEXT)**

**CSI Announces the Introduction of MPT-IV, a Wireless, Portable Monitor for Vital Signs and IV Therapy**

BUSINESS WIRE

November 07, 2000

**Journal Code:** WBWE **Language:** English **Record Type:** FULLTEXT

**Word Count:** 367

-  
...the patient moves about taking the rollstand and pump, the monitor goes along and wirelessly **transmits** real time **patient data** and IV pump information to the **central station**. This keeps the **patient** in constant communication, stationary or **mobile**.

**Dialog eLink:**

 [View in Dialog eLink](#) | [View in Dialog eReader](#) | [View in Dialog Options](#)

30/3,K/3 (Item 2 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01066945 97-16339

**Design awards boom, but "breakthroughs" rare**

Braham, James

Machine Design v67n12 pp: 58-62

Jul 13, 1995

**ISSN:** 0024-9114 **Journal Code:** MDS

**Word Count:** 2281

**Text:**

...a small, portable device which monitors heart rate, EKG, and respiration rate of critically ill **hospital patients**. This **information is transmitted** by radio frequency to a **central monitoring station**. Typically, **patients** wear the device continuously for several days, while in **bed** or **moving** about the **hospital**. To operate the unit, the nurse simply unscrews the battery cap, drops in two AAA...

## **V. Additional Resources Searched**

[Insert]